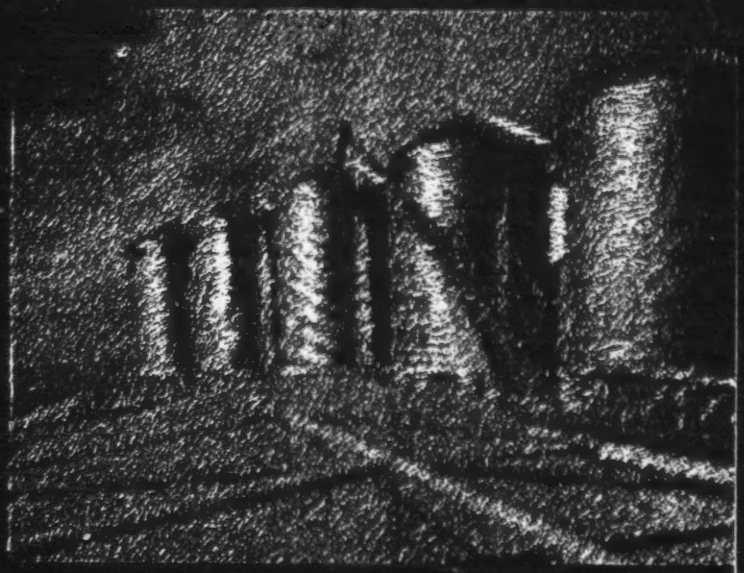
Agriculture Statistics Factsheet

Economics & Competitiveness



Alberta
AGRICULTURE, FOOD AND RURAL DEVELOPMENT

AGDEX 853

105-01722/

The Land and Precipitation

	Acres	% of Total
Total Land Area	**157,710,720**	
Farm Land Area (2001 Census of Agriculture)	**52,058,898**	**100.0**
Cultivated Land Area	32,604,729	62.6
Land in Crops	24,038,861	46.2
Summerfallow	3,053,214	5.9
Tame or Seeded Pasture	5,512,654	10.6
Natural Land for Pasture	16,503,920	31.7
All Other Land	2,950,249	5.7

Irrigated Area in 2003 = 1.61 million acres or 5% of cultivated land area.

Precipitation (millimetres)

April 1 to October 31 Cropping Season	2002	2003	30-Year Normal
Medicine Hat	461	252	257
Lethbridge	482	206	297
Calgary	287	375	347
Edmonton	202	288	399
Lloydminster	177	387	339
Peace River	201	261	311

Population and Farms

	2002r	2003	% Chg.
Population on July 1st (1)	**3,114,390**	**3,153,723**	**1.3**
% of Canadian Population	*9.9%*	*10.0%*	

	2001	% of Total
Population on May 15, 2001 (2)	**2,974,807**	**100.0**
Urban Population	2,405,160	80.9
Rural Population	569,647	19.1
Number of Census Farms on May 15, 2001 (3)	**53,652**	
Average Farm Size	**970 acres**	
Types of Farms (4)		**% of Total**
Farms With Sales of $2,500 or More	50,580	100.0
Cattle (Beef)	22,939	45.4
Grain and Oilseed (Excluding Wheat)	9,327	18.4
Wheat	3,718	7.4
Miscellaneous Specialty	5,495	10.9
Field Crop (Excluding Grain and Oilseed)	4,725	9.3
Other Types	4,376	8.6

(1) Source: Statistics Canada, CANSIM Table 051-0010
(2) Source: 2001 Census of Population
(3) According to the 2001 Census of Agriculture, a census farm refers to a farm, ranch or other agricultural holding which produces at least one of the following products intended for sale: crops, livestock, poultry, animal products, greenhouse/nursery products, Christmas trees, mushrooms, honey, sod or maple syrup products.
(4) The commodity which accounts for 51% or more of receipts determines the farm type.

Employed Labour Force

	2002	2003	% Chg.
Total Employed Labour Force	**1,673,800**	**1,721,900**	**2.9**
Agri-Food Industries	**89,600**	**94,000**	**4.9**
Agriculture	61,300	68,200	11.3
Crop Production	15,700	22,000	40.1
Animal Production	35,700	38,300	7.3
Mixed Farming	7,600	5,800	-23.7
Support Activities for Agriculture	2,200	2,200	0.0
Food and Beverage Manufacturing	28,300	25,800	-8.8
Food – Retail Trade and Services	**138,600**	**146,700**	**5.8**
Food and Beverage Retail Stores	45,300	50,100	10.6
Food Services and Drinking Places	93,300	96,600	3.5

Real Gross Domestic Product at Basic Prices ($ Millions)

Alberta agri-food industries contributed $3.7 billion or 3.1% to the province's gross domestic product in 2002.

In Chained (1997) Dollars	2001r	2002r	% Chg.
All Industries	**119,465**	**120,231**	**0.6**
Agri-Food Industries	**4,430**	**3,698**	**-16.5**
% Share of All Industries	*3.7%*	*3.1%*	
Agriculture	2,658	1,907	-28.3
Food and Beverage Manufacturing	1,772	1,791	1.1

Selected Indices and Financial Rates (Annual Averages)

	2001r	2002r	2003r
Consumer Price Index (CPI) (1992=100)			
Alberta – All Items	120.1	124.2	129.7
– Food	116.9	120.4	122.1
Farm Product Price Index (FPPI) (1997=100)			
Alberta – Total	105.1	109.3	100.9
– Crops	92.3	111.3	101.1
– Livestock and Animal Products	114.7	108.7	101.4
Financial Rates			
Canada Bank Rate (%)	4.31	2.71	3.19
Canada Prime Business Loan Rate (%)	5.81	4.21	4.69
Exchange Rate – US $ Per Canadian $	0.6456	0.6368	0.7138

Farm Cash Receipts ($ Millions)

In 2003, Alberta farm cash receipts, made up of revenues from product sales and direct program payments, totalled $7.0 billion. This total was down 16.5% from a year earlier, although it was the fourth highest on record. Receipts were affected by fallout from the drought conditions that prevailed in 2002, the discovery of a case of Bovine Spongiform Encephalopathy, and the rapid appreciation of the Canadian dollar. Still, Alberta's total receipts was the second highest among the provinces, after Ontario ($8.3 billion). Alberta remained the leading producer of cattle and calves in Canada, accounting for almost one-half of national sales.

	2002r	2003p	% Chg.
Total Farm Cash Receipts	**8,383.5**	**6,999.3**	**-16.5**
Crop Receipts	**2,224.5**	**1,851.1**	**-16.8**
Wheat	823.7	615.3	-25.3
Oats	43.7	22.9	-47.6
Barley	160.8	138.8	-13.7
Net Deferments	49.6	6.2	-87.5
Rye	2.7	1.5	-44.4
Flaxseed	4.9	4.0	-18.4
Canola	533.6	550.1	3.1
Sugar Beets	20.1	22.7	12.9
Potatoes	146.8	132.1	-10.0
Vegetables	61.9	62.8	1.5
Floriculture and Nursery	113.1	116.3	2.8
Other Crops	263.6	178.4	-32.3
Livestock and Products Receipts	**5,120.1**	**3,786.1**	**-26.1**
Cattle and Calves	3,869.5	2,550.3	-34.1
Hogs	465.4	458.4	-1.5
Sheep and Lambs	18.0	17.3	-3.9
Dairy Products	366.8	384.7	4.9
Poultry, Hatcheries and Eggs	188.2	192.4	2.2
Honey	45.7	51.6	12.9
Other Livestock and Products	166.5	131.4	-21.1
Total Market Receipts (1)	**7,344.6**	**5,637.2**	**-23.2**
Direct Program Payments	**1,038.9**	**1,362.0**	**31.1**
Crop Insurance	493.6	537.4	8.9
Income Disaster Assistance	114.3	203.6	78.1
Other Payments	431.0	621.0	44.1

(1) Market Receipts include total crop receipts plus total livestock and products receipts.

Livestock Industry

Alberta continues to report the largest cattle population in Canada, accounting for 39% of the national total in 2003. About 67% of Canadian cattle slaughtering activity takes place in Alberta.

	2002	2003	% Chg.
Livestock on Farms (Head), July 1st			
Cattle and Calves	6,387,000	6,100,000	-4.5
Bulls	110,000	109,000	-0.9
Milk Cows and Dairy Heifers	128,000	121,000	-5.5
Beef Cows and Beef Heifers	2,385,000	2,340,000	-1.9
Calves	2,146,000	2,050,000	-4.5
Slaughter Steers and Heifers	1,618,000	1,480,000	-8.5
Pigs	2,140,900	2,030,000	-5.2
Sheep and Lambs	288,000	255,000	-11.5
Livestock Slaughtered (Head) (1)	**2002**	**2003p**	**% Chg.**
Cattle and Calves	2,367,910	2,071,455	-11.8
Hogs	2,587,197	2,818,608	8.9
Production Quantity (tonnes)			
Beef	851,402	747,604	-12.2
Pork	222,095	239,500	7.8
Value of Meat Product Manufacturing Shipments ($ Millions)			
Meat Product Manufacturing	4,809.6	4,131.5	-14.1
Animal Slaughtering (Excl. Poultry)	3,575.6	3,132.6	-12.4
Other Meat Processing (Incl. Poultry)	1,234.1	998.9	-19.1
Value of International Exports ($ Millions)			
Beef and Veal	1,643	1,088	-33.7
Pork	192	253	31.6
Farm Cash Receipts ($ Millions)			
Livestock and Livestock Products	5,120.1	3,786.1	-26.1
% of Total Farm Cash Receipts	*61.1%*	*54.1%*	

Selected Prices (*Live Weight Basis)	**2002**	**2003**
Slaughter Steers, Alberta Direct Packer Sales*, $/100 lbs	$97.14	$84.28
Central Alberta Steer Calves, 500-600 lbs*, $/100 lbs	$132.52	$125.17
Alberta Average Slaughter Hogs Index 100 Dressed	$1.28/kg	$1.30/kg

(1) Federally and provincially inspected slaughter in Alberta, irrespective of origin.

Dairy Production

Dairy Year From August 1 to July 31	2001-02	2002-03	% Chg.
Milk Production ('000 litres)	614,012	616,997	0.5
Cream Production (kilograms)	3,060	3,304	8.0

Poultry and Egg Production

	2002r	2003p	% Chg.
Chicken Meat (tonnes*)	84,304	82,097	-2.6
Turkey Meat (tonnes*)	11,764	12,677	7.8
Egg Production ('000 Dozen)	42,599	43,139	1.3

* Eviscerated Weight

Beekeeping Industry

	2002	2003p	% Chg.
Honey Production (tonnes)	13,488	11,975	-11.2
Value of Honey Produced ($'000)	58,320	n/a	n/a

Selected Alternative Livestock Inventory (Head)

	2002	2003p	% Chg.
Whitetail Deer and Mule Deer	12,620	11,143	-11.7
Elk	48,070	45,347	-5.7

Crops

	Harvested Acres ('000)		Production ('000 tonnes)	
	2002	2003p	2002	2003p
Major Crops				
All Wheat	4,863	6,198	3,728.6	6,456.8
Barley	2,800	4,500	2,569.1	5,530.2
Canola	2,100	3,300	1,020.6	2,154.6
Oats	450	870	370.1	876.0
Flaxseed	40	50	20.3	25.4
All Rye	25	90	16.1	82.8
Other Crops				
Lentils	12	15	4.9	6.9
Dry Peas	440	605	234.3	507.9
Dry Beans	40	52	37.2	60.3
Chickpeas	50	25	36.5	13.2
Mustard Seed	80	135	21.9	38.8
Sunflower Seed	2	3	1.4	2.0
Corn for Grain	10	5	20.3	7.6
Sugar Beets	28	27	422.4	628.1
Mixed Grains	20	30	16.3	40.8
Tame Hay	5,000	6,200	3,039.1	6,395.7
Summerfallow	**2,500**	**2,200**	**n/a**	**n/a**

	Acres		tonnes	
Commercial Fresh Vegetables and Fruits				
Beans	215	225	308	329
Cabbage	445	x	2,200	x
Carrots	905	1,110	x	2,155
Corn, Sweet	3,950	3,700	14,778	9,163
Peas, Green	2,950	3,315	4,513	4,332
Raspberries	150	175	57	64
Strawberries	275	270	249	274

Value of International Exports ($ Millions)	2002r	2003p	% Chg.
Total Crops	1,480	1,495	1.0
Wheat	780	679	-13.0
Canola Seed	405	564	39.4
Barley	69	60	-12.5
Other Crops	226	191	-15.5
Farm Cash Receipts ($ Millions)			
Total Crops	2,224.5	1,851.1	-16.8
% of Total Farm Cash Receipts	*26.5%*	*26.4%*	

Value of Principal Field Crops ($/tonne)

	1999-00	2000-01	2001-02	2002-03
No.1 CW Red Spring Wheat (13.5%)*	151.35	163.25	175.19	206.75
No.1 CW Amber Durum Wheat (13%)*	184.18	220.70	223.56	234.31
Oats**	89.85	85.63	173.42	212.78
Barley**	90.15	105.60	138.49	166.99
Canola***	255.42	258.86	332.73	379.49

* Canadian Wheat Board (realized total payments - Edmonton/Calgary)
** Alberta Grain Commission (feedmill bids - Edmonton)
*** Statistics and Data Development, AAFRD (canola seed crusher average prices)

Greenhouse Industry

	2002r	2003p	% Chg.
Total Greenhouse Area ('000 sq. ft)	10,950	10,600	-3.2
Total Sales ($'000)	104,579	98,214	-6.1

Food and Beverage Processing Industries

Alberta's food and beverage industries comprise the largest manufacturing sector in the province in terms of value of shipments and employment. The leading subsector is meat product manufacturing which accounts for over one-half of total provincial processing shipments.

Value of Manufacturing Shipments ($ Millions)

	2002	2003[p]	% Chg.
All Manufacturing Industries			
Canada	550,375.5	545,815.8	-0.8
Alberta	43,673.1	45,831.4	4.9
% Share of Canada	*7.9%*	*8.4%*	
Food and Beverage Manufacturing Industries			
Canada	70,883.4	72,168.4	1.8
Alberta	9,086.5	8,789.4	-3.3
% Share of Canada	*12.8%*	*12.2%*	
Alberta Food Manufacturing Industries	**8,269.2**	**7,976.2**	**-3.5**
Animal Food Mfg. (Includes Livestock Feed)	633.1	597.7	-5.6
Grain and Oilseed Milling	684.5	824.4	20.4
Confectionery Mfg., Fruit and Vegetable Preserving and Specialty Foods	413.6	423.1	2.3
Dairy Product Mfg.	939.3	1,205.6	28.4
Meat Product Mfg.	4,809.6	4,131.5	-14.1
Animal Slaughtering (Excl. Poultry)	3,575.6	3,132.6	-12.4
Other Meat Processing (Incl. Poultry)	1,234.1	998.9	-19.1
Bakeries and Tortilla Mfg.	329.9	313.8	-4.9
Bread and Bakery Product Mfg.	228.5	227.6	-0.4
Cookie, Cracker and Pasta Mfg.	101.5	86.3	-15.0
Other Food Mfg.	459.1	480.1	4.6
Alberta Beverage Mfg. Industries	**817.3**	**813.2**	**-0.5**
Soft Drink and Ice Mfg.	347.3	329.5	-5.1
Breweries, Wineries and Distilleries	470.0	483.7	2.9

Alberta Food Sales ($ Millions)

	2002	2003[p]	% Chg.
Supermarket and Grocery Store Sales	7,835.8	8,242.3	5.2
Restaurant, Caterer and Tavern Receipts	4,310.2	4,326.1	0.4

Alberta Average Household Food Expenditure (Per Year)

	2001	2002	% Share of Hshld. Budget '02
Food	$6,728	$6,791	10.0%
Food Purchased From Stores	$5,017	$5,195	7.7%
Food Purchased From Restaurants	$1,683	$1,573	2.3%

Per Capita Food Consumption in Canada (Per Year)

	Units	1991	2000	2003
Alcoholic Beverages (Total Population)	litres	86.14	84.16	85.83
Fluid Milk (Retail Weight)	litres	94.53	88.21	85.31
Butter (Retail Weight)	kg.	2.99	2.75	2.94
Cereal Products (Retail Weight)	kg.	71.53	88.54	87.03
Red Meat (Carcass Weight Equivalent)	kg.	63.17	64.01	60.90
Beef (Carcass Weight Equivalent)	kg.	33.28	32.01	31.98
Pork (Carcass Weight Equivalent)	kg.	25.86	28.69	25.17
Poultry (Eviscerated Weight)	kg.	28.31	35.27	36.39
Fish (Edible Weight)	kg.	8.64	9.48	--

Note: These data represent food available for consumption and not actual quantities of food consumed since they do not allow for losses such as waste and/or spoilage in stores, households, private institutions or restaurants.

Farm Operating Expenses [1] ($ Millions)

	2002r	2003p	% Chg.
Property Taxes	100.3	102.7	2.4
Cash and Share Rent	323.2	355.1	9.9
Cash Wages, Room and Board	533.0	571.3	7.2
Interest Payments	512.0	510.9	-0.2
Machinery Fuel	335.3	393.3	17.3
Fertilizer and Lime	546.8	570.4	4.3
Pesticides	292.4	331.6	13.4
Commercial Feed	1,271.3	1,079.3	-15.1
Livestock and Poultry Purchases	643.5	616.3	-4.2
Building and Fence Repairs	141.8	140.7	-0.8
Electricity and Telephone	206.2	209.2	1.5
Heating Fuel	55.0	80.7	46.7
Miscellaneous	1,347.0	1,462.9	8.6
Total Operating Expenses After Rebates	**6,307.8**	**6,424.4**	**1.8**
Depreciation on Buildings	204.6	209.7	2.5
Depreciation on Machinery	915.5	928.9	1.5
Total Expenses After Rebates and Depreciation	**7,427.8**	**7,563.0**	**1.8**

(1) Net of provincial or federal rebates.

Net Farm Income [1] ($ Millions)

	2002r	2003p	% Chg.
1. Total Farm Cash Receipts	8,383.5	6,999.3	-16.5
2. Total Operating Expenses After Rebates	6,307.8	6,424.4	1.8
3. Net Cash Income (1-2)	2,075.7	574.9	-72.3
4. Income In Kind	15.1	14.5	-4.0
5. Depreciation Charges	1,120.0	1,138.6	1.7
6. Realized Net Income (3+4-5)	970.8	-549.3	s
7. Value of Inventory Change	-1,117.9	1,041.7	s
8. Total Net Income (6+7)	-147.1	492.4	s

(1) Refers to income directly related to the farm business; excludes non-farming income (such as wages and salaries from off-farm employment, pension and investment income).

Capital Investment Expenditures [1] ($ Millions)

	2002	2003p	% Chg.
All Industries	**41,452.7**	**42,159.7**	**1.7**
Agri-Food Industries	**911.3**	**897.0**	**-1.6**
% Share of All Industries	*2.2%*	*2.1%*	
Agriculture Industries			
Total	**804.4**	**752.5**	**-6.5**
Crop Production	377.6	347.4	-8.0
Animal Production	419.1	398.4	-4.9
Support Services	7.7	6.7	-13.0
Food and Beverage Manufacturing Industries			
Total	**106.9**	**144.5**	**35.2**
Food Industries	84.5	115.4	36.6
Beverage Industries	22.4	29.1	29.9

(1) Capital investment expenditures refers to the cost of procuring, constructing and installing new durable plants, machinery and equipment, whether for replacement of worn or obsolete assets, as additions to existing assets or for lease or rent to others.

International Agri-Food Exports ($ Millions)

Alberta exported $4.2 billion worth of primary and processed agricultural and food products in 2003, 19.5% lower than $5.2 billion in 2002, mainly due to the BSE related trade restrictions, continued effects of 2002 drought and the appreciation of the Canadian dollar. Exports of value added products fell 18.8% to $2.4 billion and exports of animal and crops declined 20.5% to $1.8 billion. Exports of grains continued to decline with wheat and barley sales down in value by 13% each. These declines were more than offset by sharp increase (up 39%) in exports of canola seed. On the other hand, the 2003 exports of live cattle (down 69%) and beef (down 34%) were severely affected by the May 20, 2003 closure of international borders due to BSE. The United States remains Alberta's largest trading partner, accounting for 48.5% of total agri-food exports.

	2002r	2003p	% Chg.
Canada Agri-Food Exports	**25,200**	**24,569**	**-6.2**
Alberta Agri-Food Exports	**5,202**	**4,185**	**-19.5**
Alberta as a % of Canada	*19.9%*	*17.0%*	
Value Added Processed Products	**2,981**	**2,420**	**-18.8**
As a % of Total Agri-Food Exports	*57.3%*	*57.8%*	
Beef and Veal	1,643	1,088	-33.7
Pork	192	253	31.6
Processed Potatoes	173	146	-15.6
Oilseed Cake and Meal	77	126	65.1
Other Value Added Processed Products	897	807	-10.0
Primary Commodities (Crops and Animals)	**2,220**	**1,765**	**-20.5**
As a % of Total Agri-Food Exports	*42.7%*	*42.2%*	
Wheat	780	679	-13.0
Live Cattle	634	196	-69.1
Canola Seed	405	564	39.4
Live Hogs	76	54	-28.3
Barley	69	60	-12.5
Other Primary Commodities	257	211	-17.7
Alberta's Top Five Export Markets in 2003	**2002r**	**2003p**	**% Chg.**
1. United States (49% Share)	3,035	2,030	-33.1
2. Japan (19% Share)	794	786	-0.9
3. Mexico (7% Share)	363	296	-18.3
4. Taiwan (2% Share)	85	93	9.4
5. China (2% Share)	76	88	14.8

r - revised p - preliminary - - not available n/a - not applicable
x - confidential kg - kilogram s - % change suppressed

Note: Totals may not add up due to rounding.

Data Sources: Alberta Agriculture, Food and Rural Development; Statistics Canada; and Agriculture and Agri-Food Canada

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